

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/070,566A

Source: IFW16

Date Processed by STIC: 12/6/04

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 12/07/2004

PATENT APPLICATION: US/10/070,566A

TIME: 11:44:05

Input Set : A:\07657~1.txt

Output Set: N:\CRF4\12072004\J070566A.raw

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3 <110> APPLICANT: Bendig, Mary
4     Jones, Tim
5     Hellendoorn, Koen
7 <120> TITLE OF INVENTION: Chimaeric Plant Viruses with Mucin Peptides
9 <130> FILE REFERENCE: DOW-07657
11 <140> CURRENT APPLICATION NUMBER: 10/070,566A
12 <141> CURRENT FILING DATE: 2002-03-07
14 <160> NUMBER OF SEQ ID NOS: 38
16 <170> SOFTWARE: PatentIn version 3.2
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 20
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial Sequence
23 <220> FEATURE:
24 <223> OTHER INFORMATION: Synthetic
26 <400> SEQUENCE: 1
28 Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly
29 1           5           10           15
32 Val Thr Ser Ala .
33           20
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 5
38 <212> TYPE: PRT
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Synthetic
44 <400> SEQUENCE: 2
46 Pro Asp Thr Arg Pro
47 1           5
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 5
52 <212> TYPE: PRT
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Synthetic
58 <400> SEQUENCE: 3
60 Ala Pro Asp Thr Arg
61 1           5
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 8
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Synthetic
72 <400> SEQUENCE: 4
74 Asp Ala His Trp Glu Ser Trp Leu
75 1 5
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 8
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Synthetic
86 <400> SEQUENCE: 5
88 Asp Leu His Trp Ala Ser Trp Val
89 1 5
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 16
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Synthetic
100 <400> SEQUENCE: 6
102 Gly Val Thr Ser Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala
103 1 5 10 15
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 23
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Synthetic
114 <400> SEQUENCE: 7
116 Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His Gly
117 1 5 10 15
120 Val Thr Ser Ala Pro Asp Thr
121 20
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 39
126 <212> TYPE: DNA
127 <213> ORGANISM: Soybean mosaic virus
129 <400> SEQUENCE: 8
130 atggaaggag gatcatctaa gactgctgtg aacactggg 39
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 13
135 <212> TYPE: PRT
136 <213> ORGANISM: Soybean mosaic virus
138 <400> SEQUENCE: 9
140 Met Glu Gly Gly Ser Ser Lys Thr Ala Val Asn Thr Gly
141 1 5 10
144 <210> SEQ ID NO: 10
145 <211> LENGTH: 48
146 <212> TYPE: DNA

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147 <213> ORGANISM: Soybean mosaic virus
149 <400> SEQUENCE: 10
150 ggtgttactt ctgctcctga tactagacct gctcctgggt ctactgct 48
153 <210> SEQ ID NO: 11
154 <211> LENGTH: 68
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Synthetic
161 <400> SEQUENCE: 11
162 gatccgggtgt tacttctgct cctgatacta gacctgctcc tgggtctact gcttctaaga 60
164 ctgctggt 68
167 <210> SEQ ID NO: 12
168 <211> LENGTH: 68
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Synthetic
175 <400> SEQUENCE: 12
176 gatcctctgg tgttacttct gctcctgata ctagacctgc tcttggttct actgctaaga 60
178 ctgctggt 68
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 68
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Synthetic
189 <400> SEQUENCE: 13
190 gatcctctaa ggggtgttact tctgctcctg atactagacc tgctcctgggt tctactgcta 60
192 ctgctggt 68
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 68
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Synthetic
203 <400> SEQUENCE: 14
204 gatcctctaa gactgggtgtt acttctgctc ctgatactag acctgctcct ggttctactg 60
206 ctgctggt 68
209 <210> SEQ ID NO: 15
210 <211> LENGTH: 68
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Synthetic
217 <400> SEQUENCE: 15
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220 ctgctggt 68
223 <210> SEQ ID NO: 16

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224 <211> LENGTH: 33
225 <212> TYPE: PRT
226 <213> ORGANISM: Lucerne transient streak virus
228 <400> SEQUENCE: 16
230 Asn Ile Tyr Ala Pro Ala Arg Leu Thr Ile Ala Ala Ala Asn Ser Ser
231 1             5             10             15
234 Ile Asn Ile Ala Ser Val Gly Thr Leu Tyr Ala Thr Tyr Glu Val Glu
235             20             25             30
238 Leu
242 <210> SEQ ID NO: 17
243 <211> LENGTH: 37
244 <212> TYPE: PRT
245 <213> ORGANISM: Soybean mosaic virus
247 <400> SEQUENCE: 17
249 Asn Ile Gly Asn Ile Leu Val Pro Ala Arg Leu Val Ile Ala Met Glu
250 1             5             10             15
253 Gly Gly Ser Ser Lys Thr Ala Val Asn Thr Gly Arg Leu Tyr Ala Ser
254             20             25             30
257 Tyr Thr Ile Arg Leu
258             35
261 <210> SEQ ID NO: 18
262 <211> LENGTH: 37
263 <212> TYPE: PRT
264 <213> ORGANISM: Soybean mosaic virus
266 <400> SEQUENCE: 18
268 Asn Ile Ala Thr Asp Leu Val Pro Ala Arg Leu Val Ile Ala Leu Leu
269 1             5             10             15
272 Asp Gly Ser Ser Ser Thr Ala Val Ala Ala Gly Arg Ile Tyr Ala Ser
273             20             25             30
276 Tyr Thr Ile Gln Met
277             35
280 <210> SEQ ID NO: 19
281 <211> LENGTH: 51
282 <212> TYPE: DNA
283 <213> ORGANISM: Lucerne transient streak virus
285 <400> SEQUENCE: 19
286 atagccgcag ctaacagctc cataaacata gctagtgtgg gtactcttta t
289 <210> SEQ ID NO: 20
290 <211> LENGTH: 17
291 <212> TYPE: PRT
292 <213> ORGANISM: Lucerne transient streak virus
294 <400> SEQUENCE: 20
296 Ile Ala Ala Ala Asn Ser Ser Ile Asn Ile Ala Ser Val Gly Thr Leu
297 1             5             10             15
300 Tyr
304 <210> SEQ ID NO: 21
305 <211> LENGTH: 83
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence

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309 <220> FEATURE:
310 <223> OTHER INFORMATION: Synthetic
312 <400> SEQUENCE: 21
313 gctaacagcg gtgttacttc tgctcctgat actagacctg ctcttggttc tactgcttcc 60
315 ataaacatag ctagtgtggg tac 83
318 <210> SEQ ID NO: 22
319 <211> LENGTH: 83
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Synthetic
326 <400> SEQUENCE: 22
327 gctaacagct ccggtgttac ttctgctcct gatactagac ctgctcctgg ttctactgct 60
329 ataaacatag ctagtgtggg tac 83
332 <210> SEQ ID NO: 23
333 <211> LENGTH: 83
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Synthetic
340 <400> SEQUENCE: 23
341 gctaacagct ccataggtgt tactttctgct cctgatacta gacctgctcc tggttctact 60
343 gctaacatag ctagtgtggg tac 83
346 <210> SEQ ID NO: 24
347 <211> LENGTH: 83
348 <212> TYPE: DNA
349 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: Synthetic
354 <400> SEQUENCE: 24
355 gctaacagct ccataaacgg tggtacttct gctcctgata ctagacctgc tcttggttct 60
357 actgctatag ctagtgtggg tac 83
360 <210> SEQ ID NO: 25
361 <211> LENGTH: 83
362 <212> TYPE: DNA
363 <213> ORGANISM: Artificial Sequence
365 <220> FEATURE:
366 <223> OTHER INFORMATION: Synthetic
368 <400> SEQUENCE: 25
369 gctaacagct ccataaacat aggtgttact tctgctcctg atactagacc tgctcctggt 60
371 tctactgctg ctagtgtggg tac 83
374 <210> SEQ ID NO: 26
375 <211> LENGTH: 83
376 <212> TYPE: DNA
377 <213> ORGANISM: Artificial Sequence
379 <220> FEATURE:
380 <223> OTHER INFORMATION: Synthetic
382 <400> SEQUENCE: 26
383 gctaacagct ccataaacat agctggtggt acttctgctc ctgatactag acctgctcct 60

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**VERIFICATION SUMMARY**

DATE: 12/07/2004

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